

Amendments to the Claims

Claim 1 (Original): An isolated polynucleotide comprising an APAO encoding a polynucleotide, wherein the APAO encoding polynucleotide comprises a member selected from the group consisting of:

- a) a polynucleotide encoding a polypeptide as set forth in SEQ ID NO: 51;
- b) a polynucleotide having at least 90% sequence identity to a polynucleotide set forth in SEQ ID NO: 50;
- c) a polynucleotide encoding a polypeptide having at least 95% identity to a polypeptide set forth in SEQ ID NO: 51; and
- d) a polynucleotide as set forth in SEQ ID NO: 50.

Claim 2 (Original): A recombinant DNA construct comprising a polynucleotide of claim 1 operably linked to a promoter.

Claim 3 (Original): The recombinant DNA construct of claim 2 wherein the polynucleotide is operably linked to a plant signal sequence.

Claim 4 (Original): A vector comprising the recombinant DNA construct of claim 2.

Claim 5 (Original): A host cell comprising the recombinant DNA construct of claim 2.

Claim 6 (Original): The host cell of claim 5 wherein the host cell is a plant cell.

Claim 7 (Original): The host cell of claim 6 wherein the plant cell is selected from the group consisting of maize, sorghum, wheat, tomato, soybean, alfalfa, sunflower, canola, cotton, barley, millet, and rice.

Claim 8 (Original): The host cell of claim 7 wherein the plant cell is regenerated into a plant.

Claim 9 (Original): A plant comprising the polynucleotide of claim 1.

Claim 10 (Original): A seed from the plant of claim 9, wherein the seed comprises the isolated polynucleotide.

Claim 11 (Withdrawn): An isolated polypeptide comprising a member selected from the group consisting of:

- a) a polypeptide comprising at least 90% sequence identity to a polypeptide set forth in SEQ ID NO: 51;
- b) a polypeptide encoded by a polynucleotide having at least 90% sequence identity to the polynucleotide set forth in SEQ ID NO: 50; and
- c) a polypeptide as set forth in SEQ ID NO: 51.